

| L Number | Hits | Search Text   | DB   | Time stamp          |
|----------|------|---|--|---------------------|
| -        | 5    | ((("59777624") or ("6150730") or<br>("6177721") or ("6218731") or<br>("6252298"))).PN.  | USPAT  | 2002/12/15<br>18:26 |
| -        | 5    | ((("5341564") or ("5420460") or<br>("5578261") or ("5639695") or<br>("5796586"))).PN.   | USPAT  | 2002/12/02<br>08:28 |
| -        | 2    | ((("5677575") or ("5731709"))).PN.  | USPAT  | 2002/12/02<br>08:29 |
| -        | 19   | ((("4030309") or ("4664578") or<br>("4735548") or ("4770590") or ("5011366")<br>or ("5135349") or ("5288199") or<br>("5311057") or ("5372471") or ("5447409")<br>or ("5468647") or ("5584647") or<br>("5739585") or ("58118794996587") or<br>("5583375") or ("5650593") or ("5674785")<br>or ("5677566") or ("5866949") or<br>("6013946"))).PN.   | USPAT  | 2002/12/02<br>08:37 |
| -        | 3903 | 257/666, 668.ccls.  | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/12/02<br>08:38 |
| -        | 824  | 257/777.ccls.   | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/12/02<br>08:39 |
| -        | 2038 | 257/778, 783, 784.ccls.   | USPAT  | 2002/12/04<br>10:37 |
| -        | 1    | "59777624".PN.  | USPAT  | 2002/12/04<br>09:20 |
| -        | 1    | "6150730".PN.   | USPAT  | 2002/12/04<br>09:20 |
| -        | 1    | "6177721".PN.   | USPAT  | 2002/12/04<br>09:20 |
| -        | 1    | "6218731".PN.   | USPAT  | 2002/12/04<br>09:20 |
| -        | 32   | ((("4992849") or ("5151651") or<br>("5227717") or ("5239198") or ("5258648")<br>or ("5334857") or ("5378981") or<br>("5483024") or ("5506499") or ("5625221")<br>or ("5668405") or ("5677566") or<br>("5721496") or ("5731709") or ("5786271")<br>or ("5789271") or ("5789278") or<br>("5815000") or ("5815372") or ("5844315")<br>or ("5859538") or ("5872458") or<br>("5883426") or ("5973403") or ("5977784")<br>or ("5994166") or ("6018249") or<br>("6025725") or ("6049129") or ("6127833")<br>or ("6249052") or ("6335565")).PN. | USPAT  | 2002/12/04<br>10:44 |
| -        | 30   | ((("4363076") or ("4692943") or<br>("5148266") or ("5304842") or ("5355283")<br>or ("5466888") or ("5536765") or<br>("5539251") or ("5548091") or ("5571594")<br>or ("5594282") or ("5600183") or<br>("5633529") or ("5656862") or ("5659952")<br>or ("5668405") or ("5710071") or<br>("5733800") or ("5776796") or ("5817545")<br>or ("5818698") or ("6013946") or<br>("6017776") or ("6048755") or ("6198162")<br>or ("6249052") or ("6252298") or<br>("6326700") or ("6331453") or<br>("6175159")).PN.                               | USPAT  | 2002/12/04<br>10:46 |
| -        | 1075 | 257/778, 783, 784.ccls.   | US-PPGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | 2002/12/04<br>12:45 |
| -        | 2    | ((("5733800") or ("5466888")).PN.   | USPAT  | 2002/12/06<br>12:22 |

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|---|--------|--|-------|---------------------|
| - | 1913   | 257/687,777,778.ccls.  | USPAT | 2002/12/06<br>16:56 |
| - | 1      | "5677575".PN.  | USPAT | 2002/12/06<br>14:35 |
| - | 1      | "5731709".PN.  | USPAT | 2002/12/06<br>14:36 |
| - | 641    | 257/782,783.ccls.  | USPAT | 2002/12/06<br>16:57 |
| - | 1127   | 438/15,118.ccls.   | USPAT | 2002/12/07<br>12:58 |
| - | 1276   | 438/108,124,127.ccls.  | USPAT | 2002/12/07<br>13:08 |
| - | 647    | 438/108,124,127.ccls. and adhesive   | USPAT | 2002/12/07<br>13:44 |
| - | 3649   | COB or chip-on-board   | USPAT | 2002/12/07<br>13:44 |
| - | 507    | (COB or chip-on-board) and (printed adj1 circuit adj1 board or PCB)  | USPAT | 2002/12/07<br>13:46 |
| - | 109652 | TAB  | USPAT | 2002/12/11<br>12:55 |
| - | 261    | TAB and COB  | USPAT | 2002/12/11<br>13:23 |
| - | 109    | TAB and wire adj1 bonding and COB  | USPAT | 2002/12/11<br>13:24 |
| - | 2401   | TAB and wire adj1 bonding  | USPAT | 2002/12/11<br>13:24 |
| - | 2223   | (TAB and wire adj1 bonding) and (chip or die)  | USPAT | 2002/12/11<br>13:25 |
| - | 1362   | ((TAB and wire adj1 bonding) and (chip or die)) and (opening or hole)                                      | USPAT | 2002/12/11<br>13:25 |
| - | 562    | ((TAB and wire adj1 bonding) and (chip or die)) and (opening or hole)) and printed adj1 circuit adj1 board | USPAT | 2002/12/11<br>13:48 |
| - | 3669   | tape adj1 automated adj1 bonding   | USPAT | 2002/12/11<br>13:48 |
| - | 1598   | (tape adj1 automated adj1 bonding) and wire adj1 bonding   | USPAT | 2002/12/11<br>13:49 |
| - | 1000   | ((tape adj1 automated adj1 bonding) and wire adj1 bonding) and (hole or opening)                           | USPAT | 2002/12/11<br>13:49 |
| - | 968    | ((tape adj1 automated adj1 bonding) and wire adj1 bonding) and (hole or opening)) and (die or chip)        | USPAT | 2002/12/11<br>14:14 |
| - | 3      | ("6133627") or ("5950304") or ("5685885").PN.  | USPAT | 2002/12/11<br>14:16 |
| - | 3      | ("5347159") or ("5148265") or ("5148266").PN.  | USPAT | 2002/12/11<br>14:45 |
| - | 1      | ("5148266").PN.  | USPAT | 2002/12/11<br>14:45 |
| - | 5563   | computer and DRAM and integrated adj1 circuit  | USPAT | 2002/12/11<br>15:42 |
| - | 1106   | (computer and DRAM and integrated adj1 circuit) and assembly   | USPAT | 2002/12/11<br>15:43 |
| - | 62     | ((computer and DRAM and integrated adj1 circuit) and assembly) and semiconductor adj1 die                  | USPAT | 2002/12/11<br>15:43 |
| - | 120    | epitaxial adj1 layer and capacitor and jfet  | USPAT | 2002/12/11<br>16:43 |
| - | 17397  | (resistance or resistivity) and epitaxial  | USPAT | 2002/12/11<br>16:43 |
| - | 571    | ((resistance or resistivity) and epitaxial) and JFET   | USPAT | 2002/12/11<br>18:33 |
| - | 216    | "5000" adj1 ohm  | USPAT | 2002/12/11<br>18:33 |
| - | 7      | ("5000" adj1 ohm) and epitaxial  | USPAT | 2002/12/11<br>18:33 |
| - | 126    | "100" adj1 ohm and epitaxial   | USPAT | 2002/12/12<br>09:22 |
| - | 1287   | jfet and resistor  | USPAT | 2002/12/12<br>09:22 |
| - | 185    | (jfet and resistor) and epitaxial  | USPAT | 2002/12/12<br>09:44 |

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|---|------|---|---|---------------------|
| - | 1    | microphone adj1 condenser and jfet                                    | USPAT   | 2002/12/12<br>09:46 |
| - | 82   | microphone and jfet   | USPAT   | 2002/12/12<br>09:46 |
| - | 562  | fillet and tape   | USPAT   | 2002/12/12<br>11:54 |
| - | 39   | fillet\$1 and tape and semiconductor adj1 die                         | USPAT   | 2002/12/12<br>12:50 |
| - | 676  | 257/783.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/12/12<br>12:51 |
| - | 25   | 257/783.ccls. and fillet\$2   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/12/12<br>12:59 |
| - | 705  | 438/118.ccls.   | USPAT   | 2002/12/12<br>12:59 |
| - | 25   | 438/118.ccls. and fillet\$2   | USPAT   | 2002/12/12<br>13:03 |
| - | 866  | (tape or adhesive adj1 layer) and fillet\$2                           | USPAT   | 2002/12/12<br>13:49 |
| - | 1    | ("5784782").PN.   | USPAT   | 2002/12/12<br>14:15 |
| - | 4471 | 428/209,131,901.ccls.   | USPAT   | 2002/12/12<br>14:15 |
| - | 775  | 428/209,131,901.ccls. and printed adj1 circuit adj1 board             | USPAT   | 2002/12/12<br>14:35 |
| - | 5847 | double adj1 sided near4 tape  | USPAT   | 2002/12/12<br>14:35 |
| - | 25   | (double adj1 sided near4 tape) and CTE                                | USPAT   | 2002/12/12<br>14:41 |
| - | 0    | carrier adj1 film and ahesive adj1 tape                               | USPAT   | 2002/12/12<br>14:41 |
| - | 2321 | carrier adj1 film   | USPAT   | 2002/12/12<br>14:42 |
| - | 16   | (carrier adj1 film ) and CTE  | USPAT   | 2002/12/12<br>14:45 |
| - | 1307 | (carrier adj1 film ) and adhesive                                     | USPAT   | 2002/12/12<br>14:46 |
| - | 966  | ((carrier adj1 film ) and adhesive) and first and second              | USPAT   | 2002/12/12<br>14:47 |
| - | 410  | ((carrier adj1 film ) and adhesive) and first and second) and thermal | USPAT   | 2002/12/12<br>14:52 |
| - | 103  | carrier adj1 film and thermal adj1 expansion and adhesive             | USPAT   | 2002/12/12<br>15:48 |
| - | 1493 | adhesive adj1 film and carrier  | USPAT   | 2002/12/12<br>15:49 |
| - | 146  | (adhesive adj1 film and carrier) and thermal adj1 expansion           | USPAT   | 2002/12/12<br>17:00 |
| - | 1378 | 361/707-712.ccls.   | USPAT   | 2002/12/12<br>17:13 |
| - | 1069 | 361/719,720,722,723.ccls.   | USPAT   | 2002/12/12<br>17:15 |
| - | 2383 | 174/52.2,52.4.ccls.   | USPAT   | 2002/12/13<br>09:44 |
| - | 748  | 174/52.2,52.4.ccls. and (chip or die) and substrate                   | USPAT   | 2002/12/13<br>10:27 |
| - | 1016 | 257/782,783.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/12/13<br>10:28 |
| - | 501  | 257/788,789,790.ccls.   | USPAT   | 2002/12/15<br>15:17 |
| - | 21   | 257/788,789,790.ccls. and glob  | USPAT   | 2002/12/15<br>15:23 |
| - | 280  | glob adj1 top and encapsulant   | USPAT   | 2002/12/15<br>16:37 |

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|---|------|--|-------|---------------------|
| - | 201  | 257/790.ccls.                                      | USPAT | 2002/12/15<br>16:53 |
| - | 1    | "5216278".PN.                                      | USPAT | 2002/12/15<br>16:40 |
| - | 1    | "5640047".PN.                                      | USPAT | 2002/12/15<br>16:41 |
| - | 1    | "5866949".PN.                                      | USPAT | 2002/12/15<br>16:41 |
| - | 1    | "6013946".PN.                                      | USPAT | 2002/12/15<br>16:41 |
| - | 1195 | 438/124,126,127.ccls.                              | USPAT | 2002/12/15<br>16:54 |
| - | 3    | (("5612569") or ("5677566") or<br>("5973337")).PN. | USPAT | 2002/12/15<br>18:26 |